



Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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2143

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T.D.

04/07/04

EFS ID: 58095  
Application ID: 09739618  
Title of Invention: Object-Based Storage Device  
with Improved Reliability and  
Fast Crash Recovery  
First Named Inventor: John Howard  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2000-12-18  
Effective Receipt Date: 2004-03-30  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 3682  
Attorney Docket Number: 5181-59100



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APR 02 2004

Technology Center 2100

Total Fees Authorized:

Digital Certificate Holder: cn=Lawrence J. Merkel,ou=Registered Attorneys,ou=Patent and  
Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US  
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## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	Object-Based Storage Device with Improved Reliability and Fast Crash Recovery																		
<table border="0"><tr><td>Application Number:</td><td>09/739618</td><td></td><td rowspan="4"><b>RECEIVED</b> APR 02 2004 Technology Center 2100</td></tr><tr><td>Date:</td><td>2000-12-18</td><td></td></tr><tr><td>First Named Applicant:</td><td>John H Howard</td><td></td></tr><tr><td>Confirmation Number:</td><td>3682</td><td></td></tr><tr><td colspan="3">Attorney Docket Number: 5181-59100</td><td></td></tr></table>			Application Number:	09/739618		<b>RECEIVED</b> APR 02 2004 Technology Center 2100	Date:	2000-12-18		First Named Applicant:	John H Howard		Confirmation Number:	3682		Attorney Docket Number: 5181-59100			
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<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Lawrence Merkel Registered Number: 41191</td><td>Lawrence Merkel</td><td>Agent</td></tr></tbody></table>				Submitted by:	Elec. Sign.	Sign. Capacity	Lawrence Merkel Registered Number: 41191	Lawrence Merkel	Agent										
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<table border="0"><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>IDS3-16-04-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>				Documents being submitted	Files	us-ids	IDS3-16-04-usidst.xml		us-ids.dtd		us-ids.xsl								
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us-ids	IDS3-16-04-usidst.xml																		
	us-ids.dtd																		
	us-ids.xsl																		
Comments																			



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## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of  
InventionObject-Based Storage Device with Improved Reliability and  
Fast Crash Recovery

Application Number: 09/739618

Confirmation Number: 3682

First Named Applicant: John Howard

Attorney Docket Number: 5181-59100

Art Unit: 2152

Search string: ( 6269431 or 6360330 or 6556998 or 6629189  
or 6219693 or 5915253 or 6405284 or  
20020161855 ).pn.

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## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
MK	1	6269431	2001-07-31	Scott R Dunham			
MK	2	6360330	2002-03-19	Mutalik et al			
MK	3	6556998	2003-04-29	Mukherjee et al			
MK	4	6629189	2003-09-30	Sanstrom et al			
MK	5	6219693	2001-04-17	Napolitano et al			
MK	6	5915253	1999-06-22	Christiansen			
MK	7	6405284	2002-06-11	Bridge			

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications


init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
MK	1	20020161855	2002-10-31	Manczak et al			

## Remarks

Note: Remarks are not for responding to an office action.

Other art to be submitted with Form PTO-1449.

Signature

Examiner Name	Date
	04/26/04